

INTERNATIONAL SEARCH REPORT

National Application No.

No. / BR2004/000232

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G05D23/24 G05D23/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 564 831 A (BASHARK ET AL) 15 October 1996 (1996-10-15) column 6, line 62 - column 7, line 4 column 12, line 41 - column 12, line 53; figure 2	1, 15, 29

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

8 February 2005

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16/02/2005

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Information on patent family members

ional Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5564831	A	15-10-1996	US 5130624 A 14-07-1992
			US 5237256 A 17-08-1993
			US 5038091 A 06-08-1991
			US 5006778 A 09-04-1991
			AU 673316 B2 31-10-1996
			AU 4080696 A 04-04-1996
			AU 676447 B2 06-03-1997
			AU 4080796 A 04-04-1996
			AU 649638 B2 02-06-1994
			AU 6857390 A 19-09-1991
			AU 663657 B2 12-10-1995
			AU 7142694 A 03-11-1994
			CA 2032857 A1 03-07-1991
			DE 69028193 D1 26-09-1996
			DE 69028193 T2 09-01-1997
			EP 0436374 A2 10-07-1991
			ES 2090109 T3 16-10-1996
			NZ 236666 A 24-02-1995
			US 5166592 A 24-11-1992
			US 5281956 A 25-01-1994
			AU 640393 B2 26-08-1993
			AU 6012090 A 14-02-1991
			BR 9003982 A 03-09-1991
			CA 2022963 A1 12-02-1991
			CA 2023880 A1 12-02-1991
			MX 173025 B 28-01-1994
			NZ 234807 A 26-09-1995
			NZ 250220 A 26-09-1995
			US 5280227 A 18-01-1994
			AU 4879693 A 16-12-1993
			AU 640392 B2 26-08-1993
			AU 6007090 A 14-02-1991
			BR 9003981 A 03-09-1991
			CA 2022960 A1 12-02-1991
			NZ 234806 A 28-08-1995
			NZ 248490 A 28-08-1995
			CA 2173375 A1 24-02-1991
			AR 247302 A1 30-11-1994
			AU 632441 B2 24-12-1992
			AU 6857090 A 04-07-1991
			BR 9100003 A 22-10-1991
			CA 2032846 A1 03-07-1991
			DE 69026486 D1 15-05-1996
			DE 69026486 T2 17-10-1996
			EP 0436375 A2 10-07-1991
			MX 164406 B 11-08-1992
			NZ 236663 A 24-02-1995
			US 5101575 A 07-04-1992